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(72) Inventor: **Juhasz, Tibor**
Irvine, California 92620 (US)

(74) Representative:
Thomas, Philip John Duval
Eric Potter Clarkson,
Park View House,
58 The Ropewalk
Nottingham NG1 5DD (GB)

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(71) Applicant: **Intralase Corporation**
Ann Arbor, Michigan 48104 (US)

(54) Device for removing gas and tissue debris

(57) A device for removing gas and debris from the stroma of an eye during ophthalmic laser surgery includes a contact lens that is formed with a recessed chamber. The device also includes a suction pump that is connected in fluid communication with the recessed chamber. In operation, the stroma is stabilized in the recessed chamber of the contact lens and an opening into the stroma is created. This opening is created either by the laser beam, or by a probe that is mounted on the contact lens to penetrate the stroma while the stroma is stabilized in the recessed chamber of the contact lens. Then, simultaneously or subsequently, as a laser beam is directed through the contact lens to photodisrupt tissue in the stroma the suction pump is activated to aspirate the resultant gas and debris through the opening and out of the stroma.

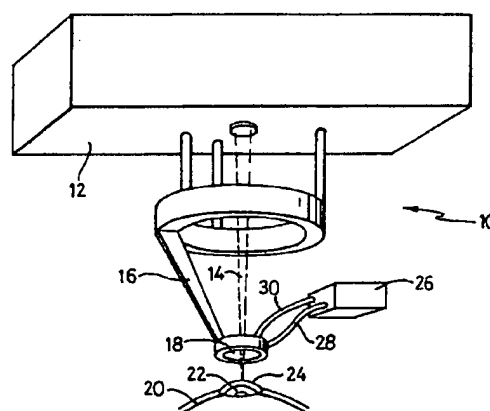


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 00 30 1248

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Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EP FORM 1500 03 02 (P4601)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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